

Appendix table 4-42.

International R&D expenditures for G-8 countries, by performing sector and source of funds: 1998 or 1999

Country and R&D performer	Sources of R&D funds						Percent distribution, performers	
	Total	Industry	Government	Higher	Private	Abroad		
				education	nonprofit			
Billions of yen								
Japan, 1998	15,169	11,008	2,921	1,092	100	48	100.0	
Industry	10,800	10,513	223	—	17	47	71.2	
Government	1,403	21	1,382	—	—	—	9.2	
Higher education	2,252	51	1,107	1,091	3	—	14.8	
Private nonprofit	714	423	209	1	80	1	4.7	
Percent distribution, sources	100.0	72.6	19.3	7.2	0.7	0.3	na	
Millions of deutsch marks								
Germany, 1999	92,230	58,570	31,180	0	310	2,170	100.0	
Industry	63,300	56,640	5,000	—	60	1,600	68.6	
Government	13,210	270	12,450	—	250	240	14.3	
Higher education	15,720	1,660	13,750	—	—	310	17.0	
Private nonprofit	—	—	—	—	—	—	0.0	
Percent distribution, sources	100.0	63.5	33.8	0.0	0.3	2.4	na	
Millions of francs								
France, 1998	185,943	99,489	69,350	1,654	1,702	13,748	100.0	
Industry	115,839	94,542	10,397	11	62	10,827	62.3	
Government	34,627	3,246	29,509	78	39	1,755	18.6	
Higher education	32,708	1,098	29,084	1,473	122	931	17.6	
Private nonprofit	2,769	603	361	91	1,479	235	1.5	
Percent distribution, sources	100.0	53.5	37.3	0.9	0.9	7.4	na	
Millions of pounds								
United Kingdom, 1998	15,553	7,351	4,832	130	621	2,619	100.0	
Industry	10,261	6,826	1,190	—	0	2,245	66.0	
Government	2,079	297	1,653	6	46	77	13.4	
Higher education	3,040	221	1,959	122	463	275	19.5	
Private nonprofit	203	38	30	2	113	20	1.3	
Percent distribution, sources	100.0	47.3	31.1	0.8	4.0	16.8	na	
Billions of lire								
Italy, 1999	22,202	9,739	11,345	0	0	1,118	100.0	
Industry	11,938	9,367	1,587	—	—	984	53.8	
Government	4,697	106	4,504	—	—	87	21.2	
Higher education	5,566	265	5,254	—	—	47	25.1	
Private nonprofit	—	—	—	—	—	—	0.0	
Percent distribution, sources	100.0	43.9	51.1	0.0	0.0	5.0	na	
Millions of Canadian dollars								
Canada, 1999	14,911	7,343	4,658	438	416	2,056	100.0	
Industry	9,387	6,888	497	—	—	2,002	63.0	
Government	1,823	51	1,767	—	—	5	12.2	
Higher education	3,523	380	2,341	438	326	38	23.6	
Private nonprofit	178	24	53	—	90	11	1.2	
Percent distribution, sources	100.0	49.2	31.2	2.9	2.8	13.8	na	
Billions of rubles								
Russian Federation, 1998	25,082	8,755	13,436	87	231	2,573	100.0	
Industry	17,297	7,908	7,438	13	22	1,916	69.0	
Government	6,466	521	5,150	4	205	586	25.8	
Higher education	1,297	320	837	69	3	68	5.2	
Private nonprofit	22	6	12	—	2	3	0.1	
Percent distribution, sources	100.0	34.9	53.6	0.3	0.9	10.3	na	
Millions of U.S. dollars								
United States, 1999	244,143	163,397	69,794	5,562	5,390	—	100.0	
Industry	180,450	160,288	20,162	—	—	—	73.9	
Government	27,312	—	27,312	—	—	—	11.2	
Higher education	28,363	2,133	18,601	5,562	2,066	—	11.6	
Private nonprofit	8,017	976	3,718	—	3,323	—	3.3	
Percent distribution, sources	100.0	66.9	28.6	2.3	2.2	—	na	

— = Assumed negligible or not available; na = not applicable

SOURCES: Organisation for Economic Co-operation and Development (OECD), unpublished tabulations; Russian Centre Science Research and Statistics; National Science Foundation, Division of Science Resources Statistics (NSF/SRS); and other national sources (unpublished tabulations).